# Product datasheet Anti-CCR2 Antibody Catalog Number: A00158-5

BOSTER

antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

Web: www.boster.com Phone: 027-67845390/1/2 Email: boster@boster.com

Basic Inform Product Name	
Product Name	Anti-CCR2 Antibody
Gene Name	CCR2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	mouse, rat
Tested Application	WB, IHC
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse CCR2, which sh 85.7% and 95.5% amino acid (aa) sequence identity with human and rat CCR2, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	50 kDa
Dilution Ratios	Western blot (WB): Immunohistochemistry (IHC): (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions mus

#### **Storage**

12 months from date of receipt, -20°C as supplied.

determined by end user.

## **Background Information**

C-C chemokine receptor type 2 (CCR2 or CD192 (cluster of differentiation 192) is a protein that in humans is encoded by the CCR2 gene. CCR2 is a chemokine receptor. It is mapped to 9 F4; 9 75.05 cM. The protein encoded by this gene is a receptor for monocyte chemoattractant protein-1, a chemokine which specifically mediates monocyte chemotaxis. Monocyte chemoattractant protein-1 is involved in monocyte infiltration in inflammatory diseases such as rheumatoid arthritis as well as in the inflammatory response against tumors. The encoded protein mediates agonist-dependent calcium mobilization and inhibition of adenylyl cyclase. This protein can also be a coreceptor with CD4 for HIV-1 infection.



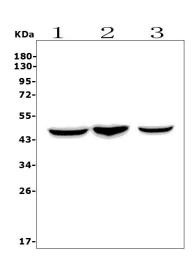
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

Web: www.boster.com Phone: 027-67845390/1/2 Email: boster@boster.com

### Reference

Anti-CCR2 Antibody 被引用在3文献中。

## **Selected Validation Data**



Western blot analysis of CCR2 using anti-CCR2 antibody (A00158-5). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

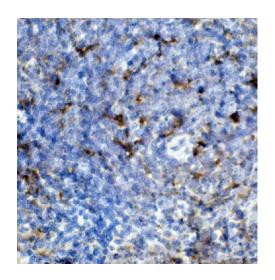
Lane 1: rat brain tissue lysates,

Lane 2: rat lung tissue lysates,

Lane 3: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-CCR2 antigen affinity purified polyclonal antibody (A00158-5) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CCR2 at approximately 50 kDa.

The expected band size for CCR2 is at 42 kDa.



IHC analysis of CCR2 using anti-CCR2 antibody (A00158-5). CCR2 was detected in a paraffin-embedded section of mouse spleen tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-CCR2 Antibody (A00158-5) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.